

CLAIMS

What is claimed is:

- 1 1. An apparatus comprising:
2 a first frame to pivot about a first axis;
3 a second frame pivotably mounted in the first frame to pivot about a second
4 axis; and
5 a mirror moveably mounted in the second frame to reflect an image on a
6 screen of a display device, the mirror adapted to pivot about the first axis via the first
7 frame and pivot about the second axis via the second frame to adjust the image on
8 the screen.
- 1 2. The apparatus of claim 1, wherein the second axis is substantially
2 perpendicular to the first axis.
- 1 3. The apparatus of claim 1, further comprising a first adjuster coupled to the first
2 frame to adjust the angle of the pivot about the first axis.
- 1 4. The apparatus of claim 3, further comprising a second adjuster coupled to the
2 second frame to adjust the angle of the pivot about the second axis.
- 1 5. The apparatus of claim 4, wherein the first adjuster and the second adjuster
2 each comprise one or more screws.
- 1 6. The apparatus of claim 5, wherein the first adjuster and the second adjuster
2 further comprise a knob coupled to each screw to adjust the screw

1 7. A rear projection display device comprising:
2 a screen;
3 a lens to project images;
4 a mirror assembly to reflect images projected by the lens on the screen, the
5 mirror assembly including:
6 a first frame to pivot about a first axis;
7 a second frame pivotably mounted in the first frame to pivot about a
8 second axis; and
9 a mirror moveably mounted in the second frame to reflect images on the
10 screen, the mirror adapted to pivot about the first axis via the first frame and pivot
11 about the second axis via the second frame to adjust images on the screen.

1 8. The display device of claim 7, wherein the second axis is substantially
2 perpendicular to the first axis.

1 9. The display device of claim 7, further comprising an intermediate mirror to
2 reflect images from the mirror in the mirror assembly to the screen.

1 10. The display device of claim 9, wherein the intermediate mirror is substantially
2 parallel to the screen.

1 11. The display device of claim 7, further comprising an intermediate mirror to
2 reflect images from lens to the mirror in the mirror assembly.

1 12. The display device of claim 7, further comprising a digital micromirror device
2 (DMD) to provide the images to the lens.

1 13. The display device of claim 7, further comprising a microelectromechanical
2 system (MEMS) to provide the images to the lens.

1 14. The display device of claim 7, further comprising a grating light valve (GLV) to
2 provide the images to the lens.

1 15. The display device of claim 7, further comprising a liquid crystal display (LCD)
2 to provide the images to the lens.

1 16. The display device of claim 7, further comprising a liquid crystal on silicon
2 (LCOS) display to provide the images to the lens.

1 17. The display device of claim 7, wherein the lens is a wide angle lens.

1 18. The display device of claim 7, wherein the screen comprises a total internal
2 reflection (TIR) Fresnel lens.

1 19. The display device of claim 7, wherein the screen comprises a refractive
2 Fresnel lens.

1 20. A rear projection display device comprising:
2 a screen; and
3 a base to which the screen is mounted, the base including:
4 a plurality of vents to allow air to flow in and out of the base;
5 a heat source; and
6 an air movement device to move air from the heat source away from the
7 screen and toward the vents.

- 1 21. The display device of claim 20, wherein the air movement device is a fan.
- 1 22. The display device of claim 20, wherein the air movement device is a blower.
- 1 23. The display device of claim 20, wherein the heat source is a lamp.
- 1 24. The display device of claim 20, further comprising a wide angle lens system to
2 project an image.
- 1 25. The display device of claim 24, further comprising a first mirror to reflect the
2 image to the screen.
- 1 26. The display device of claim 25, further comprising an intermediate mirror to
2 reflect the image projected by the lens system to the first mirror.
- 1 27. The display device of claim 24, further comprising a digital micromirror device
2 (DMD) to provide the image to the lens system.
- 1 28. The display device of claim 24, further comprising a microelectromechanical
2 system (MEMS) to provide the images to the lens system.
- 1 29. The display device of claim 24, further comprising a grating light valve (GLV)
2 to provide the images to the lens system.
- 1 30. The display device of claim 24, further comprising a liquid crystal display
2 (LCD) to provide the images to the lens system.

1 31. The display device of claim 24, further comprising a liquid crystal on silicon
2 (LCOS) display to provide the images to the lens system.

1 32. The display device of claim 20, wherein the screen comprises a total internal
2 reflection (TIR) Fresnel lens.

1 33. The display device of claim 20, wherein the screen comprises a refractive
2 Fresnel lens.